

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996
From: km@PACT.ORG.PE ()
Subject: [9510] 1/4 wave matching line for HF6-V
Message-ID: <m0uRzPb-000TpBC@rcp.net.pe>

Nick,

it is a 1/4 wave 72 ohm coax transformer for 20 meters. so you need the vel. factor of the coax to be used and plug in the frequency of the center of the 20 meter band. remember, you are using 72 ohm coax to match (if I remember well a 5/8 verticle on 20 meters to a 50 ohm coax feed line.) On the other bands it does not make a hill of beans worth of difference.

Mine works nicely across the whole 20 meter band. (Other bands as advertised)

Kris
OA4DB0

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996
From: "Floyd Soo, KF8AT" <hires@rust.net>
Subject: [9515] 40 Meter Mobile Loop
Message-ID: <31B86E73.59BB@rust.net>

Gang,

With all the attention that has been paid to the loops and delta loops, I wonder if anyone has successfully used a 40 meter delta loop from an automobile? Seems to me that strategically mounted masts on the corner of the vehicle (self-supporting, of course), some fine wire, maybe even some pulleys to move the feedpoint around to change the pattern some. I guess the masts would have to stay within the 13'6" maximum height, so you won't leave the antenna at the first overpass you come to. Has anyone used a suitable (small and portable) transmatch with their 40 meter mobile loop? I wonder if this antenna can be modeled on a computer program...

(Sorry for the bandwidth, but I couldn't resist! HI HI!)

72 and see you all on Field Day,
Floyd, KF8AT

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996
From: Jeffrey Hetherington <jhetheri@freenet.npiec.on.ca>
Subject: [9527] Announcing the *NEW* Canadian QRP Award
Message-ID: <Pine.SGI.3.91.960607153559.14172A@freenet.npiec.on.ca>

Sorry if this is a duplicate message, but it didn't make the digest yesterday, and the copy I CC'd to myself didn't get here either. Something must have gone wrong, so here goes once again ...

The CANADIAN QRP AWARD (Sponsored by VA3JFF)

~~~~~

This award is designed to encourage QRP operations by recognizing the accomplishment of completing two-way, low-power communications with all twelve Provinces and Territories of Canada.

REQUIREMENTS:

1. QRP is defined for the purpose of this award as not more than 5 watts CW or 10 watts PEP SSB.
2. Contacts need NOT be confirmed by QSL cards. If the contact was made then it may be counted for this award.
3. To receive the certificate, send basic log data for the 12 contacts to the address below. Please include \$2.00 or 2 IRCs for each certificate requested.
4. Endorsements are available for specific bands, modes, and power levels. Endorsements can be added to the original certificate order at no additional cost. Endorsement stickers are available at any other time for \$1.00 or 1 IRC.
5. Certificates are printed on 8.5 x 11 inch paper with black ink on a full colour, full page, scroll art-work background and can be framed using a standard certificate frame.
6. There are no date or time restrictions on this award, so check your logs and see if you've met the requirements.
7. Certificates are numbered sequentially as well as being numbered by country and province/state/call area.
8. Canadian QRP Award information can be obtained from the below address, or on the internet at:

<http://www.geocities.com/Colosseum/2572/QRP>  
( Picture coming soon )

9. Mail to: Canadian QRP Award  
c/o Jeff Hetherington, VA3JFF  
3399 Cardinal Drive  
Niagara Falls, Ontario  
Canada L2H 3A6

#### THE PROVINCES & TERRITORIES WITH THEIR USUAL PREFIX

Nova Scotia (VE1, CY0, CY9) Quebec (VE2 & VA2)  
Ontario (VE3 & VA3) Manitoba (VE4)  
Saskatchewan (VE5) Alberta (VE6)  
British Columbia (VE7 & VA7) North West Territories (VE8)  
New Brunswick (VE9 & VE1) Yukon Territory (VY1)  
Prince Edward Island (VY2 & VE1) Newfoundland (V01 & V02)

=====  
L. Jeffrey Hetherington - VA3JFF  
Niagara Falls, Ontario, Canada  
Canadian QRP Award - <http://www.geocities.com/Colosseum/2572/QRP.html>  
VA3JFF Tmps 1996 Qs=017 States=14 Confirmed=04 DX=01  
CO CA NY IN SD WI TN GA IL TX DC OH NC SC (OZ7)

From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: 07-Jun-1996 1316 <randolph@asic.ENET.dec.com>  
Subject: [9522] Argo 505 story continued...  
Message-ID: <9606071733.AA13534@us4rnc.pko.dec.com>

Well, I'm back... it took me a couple of days to get QRP-L re-routed to my new net address...

Some further news on the Argo 505 acquisition: it's totally swamped on 40m by some super-power RTTY station on 9.000 MHz bleeding through into the IF. Unfortunately, the manual doesn't seem to have a schematic for the stuff between the antenna and the dual-gate MOSFET mixer, so I'm pretty much shooting in the dark trying to tweek it... anybody got one? There's some filtering and RF amplification in there, and it's also the section you tune when you turn the "resonate" knob...

I tried aligning the PTO last night... got it to put out some reasonable levels on all 5 bands, so it will actually transmit on 10m now, but it's still deaf as a post on 10m receive. Naturally, all the coils de-tuned a bit from the band edges I had set them to when I put the cover back on, so more of that to

come...

=====  
Tom Randolph N100Q NE-QRP 419 QRP-L 87 ARRL randolph@asic.enet.dec.com  
=====

From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: W3HMS@aol.com  
Subject: [9531] Attn: Bob W9NIP/QRP  
Message-ID: <960607165751\_130156920@emout08.mail.aol.com>

Bob...Bob W3HAH and I were delighted to work you today on phone and to record your sig with playback. I know your sig was better than recoding suggested as the solid state recorder isn't HIFI, HI!.

I will look for you DX column in the Mich QRP Club 5 watter. Rather than tell just me, pls tell the readers how you have worked so many with just QRP and perhaps FB antennas?

What antenna did you use?

73,

John, W3HMS/QRP

From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: "richard wilkerson" <richqrp@msn.com>  
Subject: [9537] bandpass tuning  
Message-ID: <UPMAIL07.199606080207180184@msn.com>

Hello Stanley Wilson..this is answer to my question to the group about a week ago..I asked "add or not to add" bandpass tuning to my qrp rig.. Well I added it while I was waiting for a reply..So far I like it.. I also have the NW 8020 rig, I think you said you had two of them one with and one without. I find out just like you said that you have to use it a little different every qso..I put this out to the group because I thought it may help someone if they were thinking of the same mod. the NW 8020 with the filter plus the bandpass I can hear..hi hi.

73's & 72's rich wd6fdd

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: ae4ic@nr.infi.net (BOB KELLOGG)  
Subject: [9536] Big Loops  
Message-ID: <199606080206.WAA04299@mh004.infi.net>

Well, L.B., now you've done it. You're going to get more antenna questions than you know what to do with!!

Here's mine. I'm planning on putting up an all band cloud-warmer, a horizontal 80 meter loop at about 45 feet. It will be a six sided shape, sort of an oval. The length calculates to 286'-8" for 3.060 MHz. I'll use #14 stranded, insulated wire and feed it with 450 ohm ladder line in the middle of the longest side. I've got room to make the loop circumference larger by another 25 or 30 feet.

No, I don't need an analysis based on the hexagon shape. I just want an informed opinion. Should I add the extra length or not? In other words, is 10% more wire in the air better than resonance on one band?

Thanks for your delta loop analysis, and thanks, in advance, for your opinion. Enjoyed your talk at Dayton, too!

CUL,  
Bob Kellogg, AE4IC  
Probably, but not nececelery. - Benny Hill

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: Jeffrey Hetherington <jhetheri@freenet.npiec.on.ca>  
Subject: [9528] Correction to Canadian QRP Award URL  
Message-ID: <Pine.SGI.3.91.960607154330.15842A-100000@freenet.npiec.on.ca>

Sorry (agn). I once again forgot to correct the URL in the message posting. The correct URL was the one in the .sig file.

<http://www.geocities.com/Colosseum/2572/QRP.html>  
^^^^

This server will not allow a file without an extension.

Sorry again.  
73/72

Jeff

=====  
L. Jeffrey Hetherington - VA3JFF  
Niagara Falls, Ontario, Canada  
Canadian QRP Award - <http://www.geocities.com/Colosseum/2572/QRP.html>  
VA3JFF TMPS 1996 Qs=017 States=14 Confirmed=03 DX=01  
CO CA NY IN SD WI TN GA IL TX DC OH NC SC (OZ7)

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: Tony Fishpool <101573.3220@CompuServe.COM>  
Subject: [9513] Dayton (Long & a little late!)  
Message-ID: <960607145136\_101573.3220\_IHK50-1@CompuServe.COM>

This perhaps the slowest account of Dayton 96 to arrive at the list.  
My apologies for this, I claim pressure of work and a failing memory.

At FDI-1, Graham G3MFJ and I spent 8 bottom numbing hours on a Delta flight to Cincinnati during which I discovered the ultimate cure for insomnia, the in-flight movie Sense & Sensibility. On arrival we collected the car from Avis just in time for the rain storm. Rain storm! it was more like the sea with vertical slots in. Now the rain may have been the cause of faulty navigation, or perhaps I was feeling bereft at sitting in the right hand seat with the steering wheel missing but we managed to tour round the whole of the orbital freeway (around Cincinnati) before finally finding the I75 to Dayton.

Eventually, the Days Inn south appeared. We had made it, and as we approached reception we found George G3RJV and Dick G0BPS, within minutes a cold beer was thrust into our hands. From that point on the fun was non stop, albeit starting rather early the next morning. The symposium was graced by the presence of some very talented speakers and I am grateful for the well prepared notes as we had to disappear after the very nice lunch to set up the G-QRP club booth at the Hara arena.

Dick has since commented about my reaction as we walked around the place, in particular at my open mouth response to the sheer size of the flea market. I guess you guys know that absolutely nothing approaches the scale of this in the UK.

Now I have done some walking at home, both on the North Downs of Kent where I live, and up in the Dales and Moors of Yorkshire where Graham hangs out. I had to fly 4000 thousand miles to discover what aching feet were really like. The following day it all started in earnest, the doors opened and fairly soon we were knee deep in hams.

I was kept busy renewing subscriptions and adding many new members to the club. In between time I tortured my feet by strolling outside in humidity you rarely find here. I hardly noticed it as the magic took over. There was so much stuff. It's not often that you see missiles for sale in the UK but there was one stall in the flea market that had them, (disarmed of course) for 60\$ U.S. I had promised myself an MFJ antenna analyser and one was spotted in the flea market for 40\$. Which I thought not bad, but I haggled him down to 35\$ just for the sport of it.

Then "It" happened for the first time. I was browsing a stall and I was to discover that the owners are not content to just watch you, they wanted a chat, "Hi how are ya?", "just fine" I replied. "ARE YOU AUSTRALIAN?" they all said spotting the accent. This was a trend that would haunt me round the next three days. I got to wondering, how could a film that is full of British accents, that puts thousands of airline passengers to sleep be awarded herds full of Oscars by a nation that thinks we are all Aussies. Go figure (you see I learned some american). Despite that accent difficulties, and did I mention my feet?, I was struck by the incredible friendliness of folk at Dayton.

Later that night was the banquet, so at 6 o'clock we piled into Bill N8ET's van and sprinted for the hotel, pausing only to find a shop that sold tonic water to go with Georges gin (and failed). Sensing his desperation many fictitious stores were spotted, "Tonics R Us" etc.

Somewhere on the way Bill collected something sharp in his tyre (tire?). Four of us supervised while Bill & Graham changed the wheel, so we arrived late. Perhaps next year the banquet can start a little later for the benefit of those working at the arena as an hour is barely enough (without mishaps). In any event, the hotel staff found us some food so we didn't go hungry.

I feel some thanks are due at this point of the tale. Pete Meier - WK8S did us proud with the banquet organisation. I thought the door prizes would never stop (even won a huge T-Shirt myself), great value for money.

The following evening, Graham and I got taken to a steak place by Pat - WS8T, Roy - W7EL and Roger - WB4TPW (not entirely sure of Rogers call). Quite a few Brits have been boycotting beef for a fair while, not because there is necessarily anything wrong with british beef, but because it irritates the government, and that's always good for a laugh.

So my steak was the first for a long time, boy did I enjoy that! Such was the american generosity that we were not allowed to contribute to the check. I won't embarrass anyone further, just to say thanks. This was especially memorable as that day it was Grahams birthday (you didn't

know? so you're the one he didn't tell!).

The evenings in the hospitality suite were just great, all that enthusiasm in just a small room, from relative newbies like myself to rocket scientists (with a penchant for standing on chairs (you had to be there!)). I told my wife when we were planning this trip that it was a once in a lifetime thing. Well I thought it was, I won't tell you what her price for letting me go next year is going to cost me.

So, some final thanks to the organisers of FDIM:-

Bob Gobrick V01DRB/WA6ERB, public relations chair  
Bruce Muscolino W6TOY/3, technical paper chair  
Paulette Quick, N9OUH, registration chair  
Preston Douglas WJ2V, the FDIM Badge Chairperson

and anyone else connected who I have forgotten. We will be back! (with better walking shoes).

Regards  
Tony - G4WIF

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: Doug Hendricks <ki6ds@telis.org>  
Subject: [9516] Drew Diamond's Email address  
Message-ID: <31B84667.39CF@telis.org>

Does anyone have the email address for Drew Diamond, the Australian QRP author? I tried the one on the posting about the Receiver, and it bounced. 72 Doug  
KI6DS

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: maccary@on-ramp.ior.com  
Subject: [9535] Empirical HF RX  
Message-ID: <m0uSDI4-000TtwC@on-ramp.ior.com>

Ray Anderson's posting of the article by Drew Diamond got my attention. How can we in the US get copies of the schematics that appeared in Diamond's October '94 and June '92 articles in Australian "Amateur Radio"?

I built two DC receivers, one using an NE602 and the other a TDA7000. Also



built a simple superhet using dual gate FETs and a couple of regens too, but all leave much to be desired. Diamond's approach sounds like just what I want-readily available parts and a rather small parts count. I have seen some neat circuits using a couple Plessy ICs and some other exotic stuff but I have enough trouble landing NE602s on the dock. Has anyone on the list built the Computarock HF Receiver?

Don't send me out for kits! I went through that no brainer "hook wire A to socket K" stuff with Heathkit 40 years ago.

Mac--W=D8NAX=20

Lawrence M. MacCary --- A Subscriber at Internet On-Ramp, Inc.=20

From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: "J. Skalski" <jskalski@acsu.buffalo.edu>  
Subject: [9526] FS QRP RIGS  
Message-ID:  
<Pine.GS0.3.93.960607152035.19594B-1000000@conciliator.acsu.buffalo.edu>

Hello, I have 2 qrp rigs for sale.  
I am looking for a Sierra and KC-2.

I have a Heath HW-8 with a HWA-7-1 power supply. It looks factory built. Both look and work perfect.

I also have a S&S Engineering ARK-40, synthesized rig with built in optional keyer. complete with manual and power cord. This is a great rig. (just ask W8MVN)

Please make offer or will trade.

73,

Jim N2GO  
The Buffalo QRP CONNECTION  
ARCI #9013 QRP-L #381  
jskalski@acsu.Buffalo.EDU

From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: Bob Patten <n4bp@bcfreenet.seflin.lib.fl.us>  
Subject: [9529] Help

Message-ID: <Pine.3.89.9606071543.E29330-0100000@bcfreenet.seflin.lib.fl.us>

Changing addresses and can't find info on how to subscribe/unsubscribe.  
Can someone tell me address to send message to?

Bob Patten  
n4bp@bcfreenet.seflin.lib.fl.us

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: ji3m@scubed.com (James R. Duffey)  
Subject: [9511] Multiband Delta Loops (long of course)  
Message-ID: <v02130500addde6c2f011@[192.31.66.229]>

L.B.-I enjoy your delta loop modeling efforts. They raise the general technical level of the group and are educational. Keep these antenna modeling efforts coming.

I have a few comments on your multiband loop efforts. I suggest that a 30 M loop is more useful than a 40M one for multiband use. It will have reasonable feedpoint impedance at 40M and still be reasonably efficient. On 20M it is a wavelength and half loop with reasonable feedpoint and low angle radiation. On 17M it is still below 2 wavelengths and has a reasonable radiation pattern-at least this is what my simple modeling showed. It can be difficult to feed on this band though (more about that later). It suffers from extensive pattern breakup above 20 MHz though and another antenna should be used if low angle operation is desired.

The antenna can be fed as is on 80 M with poor results due to the high input impedance, but it is preferred to feed it as a vertical by tying the feeder ends together and feeding it against a counterpoise or ground as a vertical, or feeding one side of the feeder and grounding the other side. This second feed method makes a folded monopole, raising the radiation resistance and increasing efficiency slightly.

The antenna can work on 160M too, I feed one side of the feeder against ground or counterpoise as a quarter wavelength vertical (Marconi). This is not too efficient, but allows me to get on the band and is easy to feed (primarily due to large losses I suspect). Most 160M antennas are not too efficient so it is not as much of a compromise as one would think.

The 30M loop is best fed with 5M of feed line. This gives 40 M of wire in the antenna and feedline. This will work best (gives close to a resistive feedpoint) for the conventional bands, 160, 40, 80, 20. It will also load well on 15 and 10, but with appreciable high angle radiation. Another 2.5M

or so of feedline will give a reasonable feedpoint on 30 M with 45M (1 1/2 wavelengths of wire in the antenna/feedline, and another 2 to 2.5M added to that for a total of 50M (3 wavelengths) in the antenna feedline system will give a reasonable feedpoint on 17 (and 12, but again the pattern is not optimized for low angle radiation.

The above antenna can be supplemented with a 15M or 17M loop for (17M), 15, 12, and 10 M operation. This could also be fed as a vertical on the lower bands.

Keep it coming. Your posts are well received here.-Duffey KK6MC/5

James R Duffey KK6MC/5 DM65  
30 Casa Loma Road  
Cedar Crest, NM 87008

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>  
Subject: [9512] multiband, sloping diamond loops  
Message-ID: <Pine.SUN.3.93.960607084055.5719B-100000@ume>

Had some time to play with ezec myself last pm.....rather than listen to noise on 30 m! (sorry chuck)

I wanted to compare my current 40 meter delta loop (apex 60 feet) to a sloping diamond configuration. Slope towards the US of A. I decided that a 80 loop would end up being too low for my location once I looked at supports.

So, apex fed at 60 feet, bottom at 20 feet, average ht about 45 or 43 feet. Pretty much looks like comparable inverted vees and dipoles at same height and pretty close to standard vertical for low angle stuff to for 40m. Not much difference on 30. As the freq goes up however I do get a increase in gain in the direction of the slope. About 4 db and a bit on 10 m. This strikes me as the way to go for MY situation. That is, contesting QRP style in the Qrp contests and an antenna for USA during CQWW and SS. I will keep the shunt loaded tower for 80 and 160 and the K6STI loop and DCTL 300 ohm machine for low noise reception. The 20 meter monobander for another year, then something with more bands, that rotates.

Now, for a REALLY hot topic of discussion: Should your (and mine) next directional antenna have traps, linear loading, or lots of thin monoband elements (force 12), or be a log periodic? The latter is too heavy for my tower and out of the question. I just sold my trapped cushcraft A3 so I

guess you know my opinion is at least partially made up!!!!  
For the newbies the issues are: trap losses (how much)?, compromise  
spacing (some people say a small trapped yagi has f/b without real gain  
over a dipole at same height); and finally, acutal real gain of any  
yagi.....if you think 3 elements on a 14 foot boom for 20 meters get you  
the 8 db gain over the dipole that the cataloge says it does, I have some  
ocean front property in the rocky mountains forsale that you need to buy!

Dr. Rick Zabrodski BSc, MD, CCFP(E) MRO \* VE6GK  
Clinical Assistant Professor \* NorCal 519 ARCI 7650 GQRP 8329  
Faculty of Medicine, Univ. of Calgary \* "Power is no substitute for skill"

From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: ghanson@uts.cc.utexas.edu (Gary R. Hanson)  
Subject: [9518] MXM-40. It Works!!!  
Message-ID: <v01520d00adddeacff9a1@[146.6.110.12]>

Hey Gang,

Moving back to Texas from Iowa through floods, high winds and hail slowed  
my work on the MXM40 just a little bit. Remember, I started this project  
back in February. Finding my desk at work after a five month absence  
didn't help much either.

Nevertheless, I wired the transmitter mixer circuit and put a frequency  
counter on the output and it was right on. NO problems. I then proceeded  
to wire the buffer, driver and final PA circuit, hooked up a dummy load and  
looked for the signal on my old Heathkit HW101. Nothing, nowhere, nohow.  
Got out the trusty magnifying glass and found a solder bridge, fixed it and  
checked again. The signal popped right up and I tweaked the transformer to  
peak the signal. I had to fiddle with a variable cap to align the  
transmitted signal with the incoming receive signal and not having any test  
equipment just got as close as I could by listening to the audio on another  
receiver and matched the two...not an easy task for someone who is  
frequently asked not to sing in church because I'm tone deaf.

I hooked up my delta loop and heard KJ7UD calling CQ. I gave him a call  
and he came right back and gave me a 459 through a lot of static crashes.  
Al was running 150 watts into a vertical in Snowflake, AZ and I gave him a  
589, a really great signal. Signals were fading up and down and he  
eventually lost me so we didn't really complete the QSO, but it was still a  
tremendous high to make that first contact. Having run a crystal  
controlled transmitter for almost three years, you can't believe how

exciting QRP operation is when you can move around the band.

So, in spite of limited test equipment -- a frequency counter, an Auttek antenna analyzer used as a RF signal generator and another receiver -- I got a double conversion superhet receiver aligned and the transmitter working. I continue to marvel at the selectivity of the receiver. I almost never hear two signals at the same time. Just single signals sitting out there all alone. The audio is a little muffled, I assume from all the filtering and it doesn't sound as brassy as other receivers, but the signals are very easy to copy and I've learned how to tune this exceedingly sharp receiver. The tuning range covers about 120KHz in eight turns and it takes about two turns to go from 7.026 to 7.060, my usual listening range. It took awhile to get used the fact that there is "space" between the signals where I don't hear anything. I sometimes think that there isn't much activity on the band because I'm not hearing two or three signals on top of each other, but after tuning around I realize I am actually hearing lots of different signals -- one at a time.

Even with very high QRN, I can copy the signals with little effort. The static crashes come through as a low level rumble in the background and the signals are way above the QRN. I can't wait until the thunderstorms clear Texas and conditions improve.

All in all, this has been a great building project and I recommend the transceiver highly. It is first rate. I have no financial interest in MXM, but wish Bruce Williams the best cuz he designed one heck of a rig.

72,73,  
KJ5VW

Gary R. Hanson

Office of Admissions Research  
Main Administration Bldg. Room 7  
The University of Texas at Austin  
Austin, Texas 78712  
512-475-7328

From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: DLShips@aol.com  
Subject: [9538] Random Wire Verticals (RWV by KF0R)  
Message-ID: <960607222601\_321749898@emout07.mail.aol.com>

Thanks to Dave Gauding for his article in the January 95 QRP Quarterly wherein he described the RWV, a very effective, easy to assemble and easy to erect antenna. I use RWV's quite often in the parks around my place and on the beach down the street and in my back yard. It takes about 5 minutes to have this antenna fully operational.

For those of you who missed the article I suggest you get a copy of the QQ and check it out on page 10. Several of the guys in the Grand Strand QRP Society have built this antenna. The aluminum tubing is available from Texas Towers and costs less than \$50 including freight (Texas to SC). Throw a few radials on the ground and you've got a nice quarter wave vertical on 40 meters. You can use the RWV without radials, the way Dave describes it in the article, and load it on any band with the little MFJ random wire tuner.

I had the good fortune to meet with Dave last month while visiting my family in St. Louis. Dave's working on a new "miniloop" and we had the opportunity to compare the miniloop with the RWV in a local park (Saturday evening during the Dayton hamfest weekend). We used my TAC-1 and worked several stations including W1FMR, Jim in his hotel room in Dayton. Signals sounded almost as good with the miniloop but we got better reports from the RWV.

Last Saturday our QRP Society used two RWV's in the park in Conway, SC. I got to the park about 15 minutes ahead of everyone else and I had both antennas ready to use in about 10 minutes. Both worked great, one on 30 and the other on 40.

Check it out.... 72's de W3RDF (Don) (North Myrtle Beach, SC)

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: ab4el <ab4el@nando.net>  
Subject: [9508] Spec Sheets on the Web?  
Message-ID: <199606071115.HAA07382@parsifal.nando.net>

Folks!

Gary N2JG0 mentioned a Web site containing data sheets (postscript and Acrobat formats).

I'd like to develop a section on my Web page for links to such offering. If you know of other Web pages of data sheets, please drop me an enote.

--

72&73/Steve/AB4EL AB4EL@nando.net

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: KFGlynn@aol.com  
Subject: [9524] Special Event Sta Sat June 15th  
Message-ID: <960607140849\_212591064@emout18.mail.aol.com>

Hi gang,

The Kings Country Repeater Association (WA2ZWP) will sponsor a Special Event Station honoring Ft. Hamilton Army Base's anniversary on Saturday, June 15th. The club will operate from the Fort located in Bay Ridge, Brooklyn, NYC near the Verazzano Bridge.

We will operate under the club callsign WA2ZWP from 13:00-20:00 UTC on the following frequencies:

Phone - 3.943, 7.243, 14.343, 28.343  
CW - 7.043, 14.043, 10.113, 14.043 (+/- 5 KHz QRM)

I hope to work you on CW.

Tnx es 73 Kevin KB2TE0

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: Art Searle <asearle@netusa.net>  
Subject: [9540] TMPS  
Message-ID: <31B92000.5692@netusa.net>

Hi Guys,

Heard a good one on 30 tonight at around 01:00z. LX2DX/QRP calling CQ. I called and called and called. He never heard me, 'til I went QRO. Hey, I needed him on 30 and, and, and, so I wimped out.

72, de Art WU2K

PS The Wilderness NorCal40A works great, real quiet receiver,  
yet signal and audio are real strong (since I turned T2 around).  
I've worked Germany and Russia and even a small pile-up for  
VY2SS Prince Edward Is. Oh, and one 88 year old Virginian.

--

72,73, de Art Searle, WU2K, Long Is., NY, ARRL Life Member  
QRP-L #524, QRP ARCI #9123, NorCal pending, DXCC MX & CW HR  
NRA Benefactor Life Member, NMLRA Life Member, AMA Life Member  
NRA Certified Firearms Instructor, Dale Earnhardt Fan Club

From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: john dorson <jdorson@bbs.mpcs.com>  
Subject: [9530] vanity call progress  
Message-ID: <199606072051.QAA01222@bbs.mpcs.com>

Just to let all know that gate 1 is proceeding very well. I mailed my  
application  
for my old call sign on 5/30 and was told this morning that it was issues today.

I'm now K2JHU...

From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: thom.lacosta@fido261.qis.net (Thom LaCosta)  
Subject: [9532] Vanity Licensing-call lookup  
Message-ID: <c1e\_9606071856@fido261.qis.net>

DYARNES@aol.com wrote in a message to All:

Da> [www.ualr.edu/doc/hamualr/callsign.html](http://www.ualr.edu/doc/hamualr/callsign.html)

I tried it....I must be brain-dead...no matter what I put in it couldn't  
find my old call or my curretn call...maybe I now have no call (g).

N3WDV maybe K3HRN

Our Business is Business

--

|Fidonet: Thom LaCosta 1:261/1352  
|Internet: thom.lacosta@fido261.qis.net  
|Standard disclaimer: Take a Naugha to Lunch today YOU pay the bill!



From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: Russ1031@aol.com  
Subject: [9520] WALKURBUNNZOFF (a great approach to Field Day)  
Message-ID: <960607130356\_212553653@emout16.mail.aol.com>

Field Day getting a little old? How about trying the version invented by Adventure Radio Society.

As you might recall, ARS sponsors "Piggyback" contests, which are shells on top of conventional contests. Our first Piggyback will be Field Day, June 22 and 23. Because of the short notice, we don't expect a flood of people. But those who take advantage of this unique opportunity are in for a treat.

To participate, all you need to do is get to your Field Day site (and carry your equipment) by "human power". We're very flexible about what human power means. It includes hiking, biking, canoeing, kayaking and just about any other method of travel in which the old bod powers the mode of transportation.

We're not uptight about how far you should travel. We suggest a mile, but the guiding principle is to give yourself a good experience, in light of your age and physical condition, the method of travel you're using, and the environmental setting.

Otherwise, just operate five watts or less and follow the rules of the underlying contest (in this case, the Field Day rules). E-mail your summary results to me (Russ1031@101.com) by Wednesday, June 26, and the results will be published on the QRP-L and our web site by Friday, June 28. A remarkably speedy way to get your kicks from Field Day! We strongly encourage Piggyback participants to submit their logs to the sponsoring organization as well.

I'd also be most appreciative if you could write up any noteworthy adventures during your Field Day experience. We'll publish them on our web site.

And there's more. Your QSOs will count for Worked All States/Portable QRP. A perfect way to rack up contacts for this prestigious award.

For more information on the ARS Piggyback contests and the WAS/PQ award, as well as a lot of other goodies, see our web site at <http://members.aol.com/adradio/index.html>

(Finally, a note of thanks to my wife who let me borrow WALKURBUNNZOFF--the name of her womens' hiking group.)

72, Russ, AA7QU, McKenzie River, Oregon

ARS #1

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: wa5whn@ix.netcom.com (Jay Miller)  
Subject: [9525] Xray Flare on the Sun  
Message-ID: <199606071908.MAA23015@dfw-ix9.ix.netcom.com>

Dear Fellow QRP Enthusists,

<http://www.sel.bldrdoc.gov/forecast.html>

The Sun had a B1 Xray flare. Time to start monitoring the 6, 10 & 15 meter QRP Calling frequencies, this coming weekend. We maybe treated to some long path & sporadic E. Geo-Magnetic Field is quiet to minor storm. Yes Sir, will be listening to 6 & 10 & 15 meters this weekend. Who knows ? We might be able to work some of the European QRPers, from this part of the USA.

Listening...Jay, WA5WHN

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: camqrp@cyberg8t.com (Cam Hartford)  
Subject: [9533] Zuni Loop Call  
Message-ID: <199606072343.QAA16455@key.cyberg8t.com>

The Zuni Loop Mountain Expeditionary Force will operate under the call of N6GA. As has been previously chronicled, our legions will allegedly be bolstered (increased?) (augmented?) (swelled?) by the presence of one K7YHA. Good luck to us all, hope to hear many QRPers in the fray, and don't forget to send me a log when the dust has settled. Plaques and trophies are the prizes in the MW FD.

72/73,

Cam N6GA

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: "Rafael Garcia (EA4RJ)" <tie@bitmailer.net>  
Subject: [9523] RE: Excessive drift on EXP2  
Message-ID: <Pine.LNX.3.91.960607192944.263C-100000@ea4rj.ampr.org>

On Thu, 6 Jun 1996, James Bell wrote:

> Temperature has a big effect on almost any similar type of vfo,  
> so if you have been soldering around the VFO then give it at  
> least an hour to get back to normal before measuring drift.  
> I put a freq counter on the vfo and after I'd soldered, waited  
> until the freq stopped drifting down. I noted the frequency ,  
> then switched the rig off for a couple of hours. When the rig was  
> turned on again, the new frequency readout showed how much drift  
> would occur.

Jim,

Thanks for your suggestions. I'll take in mind. By the way, the temperature is almost constant in the room. No soldering was made before and after the frequency measured.

I like to leave the rig (and counter unit) at least 45 minutes before any kind of adjustment into the VFO unit, and preventing the natural little drift from a cold start. But the drift measured is so high at this moment that I plan to change C52 for another NPO cap (a friend suggested a polystyrene NPO cap), and perhaps another one around the tuning oscillator.

73,

Rafael,  
Madrid (Spain)

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: Ken Newman N2CQ <103464.1355@CompuServe.COM>  
Subject: [9502] Re: Excessive Drift on EXP2  
Message-ID: <960607045827\_103464.1355\_IHI50-1@CompuServe.COM>

Rafael and All:

I recently bought one of the EXP2 but not tested enough to check the drift but....

The builder sent me a cap to replace C62 for the drift problem. He received it from OHR as a modification. I suggest contacting Dick at OHR ( OHRQRP@netonecom.net ) to see if you can receive this mod. I'll check mine asap and do the mod if needed.

72/73 de Ken - N2CQ NJ QRP CLUB FM29jt

From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: n5zgt@swcp.com (Brian Mileschosky)  
Subject: [9517] Re: F.D. Antennas  
Message-ID: <199606071532.JAA17837@kitsune.swcp.com>

>In the past we have tried running 80 M and 40 M inverted V  
>antennas on the same tower and at right angles to each other.  
>Each ant fed a separate rig.  
>The experiment was a flop as we couldn't make any contacts on  
>80 until we separated the two antennas and put the 80 m on a  
>separate pole .  
>72 to all and have a good F.D.  
> JIM VE3DDY.  
>

Hi Jim,

My grandfather did this...he made dipoles for 40 meters and 80 meters, and actually connected both of them to the same feedline at right angles from each other, and they worked great. I'm not too sure why (Anybody know why?)but when you transmit on one dipole, the other one is not affected. You might want to try that for Field Day, but you need to have both connected to the same rig.

72,

Brian, N5ZGT

---

|                          |                                       |
|--------------------------|---------------------------------------|
| Boy Scouts of America    | Amateur Radio                         |
| JASM -Troop 41           | N5ZGT QRP: NorCal# 1700               |
| Albuquerque, N.M.        | Packet: N5ZGT @ KC5IZT.ALBQ.NM.USA.NA |
| O.A. Lodge 66 <-W-W-W-<< | Internet: n5zgt@swcp.com              |

---

From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: dgf@netcom.com (David Feldman)

Subject: [9503] Re: famous qrp rig for sale  
Message-ID: <199606070601.XAA11385@netcom4.netcom.com>

Phillip Cuchetti <ab082@traverse.lib.mi.us> writes,

>I have the legendary 8p6eu 20 mtr xciever built and operated by Doug  
>Demaw w1fb for sale.I would like it to have a good home where it'll get  
>the use and respect it deserves.

In 1972 I read 8P6EU's article about his DXpeditions. That fall I was  
adopted by a Ten-Tec argonaut 505. The next spring I made my own DXpedition  
to the same hotel, same room, as 8P6FS. Much fun! Doug was VERY helpful giving  
advice to me!

Now if only I could still get those "child of airline employee" discounts!

73 Dave WB0GAZ dgf@netcom.com

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: Dick G0BPS <Dick@kanga.demon.co.uk>  
Subject: [9504] Re: Going to Fredricshaffen (DL) hamfest?  
Message-ID: <N0+LhLAYGHrxEwUi@kanga.demon.co.uk>

In message <6452@mtlgw.ampr.org>, g0rtx@mtlgw.ampr.org writes

>

>Hello there,  
>Is there anyone out there who will be attending the hamfest from 28 to  
>30 JUNE at Fredricshaffen (Germany - shores of lake Constance)?  
>I will be there and am counting on meeting lots of QRPers.  
>Do send me mail if you will be there & I will try to make a sked  
>so that we can meet out there & discuss...!

Yup, George G3RJV, Roy W7EL and I will be there with several DL types  
too. Looking to meet loads of QRPers on the stand (booth)

A report will follow on here later.

TTFN de ..

Dick G0BPS / G0R00            <http://ukinternet.com/ham/kanga>  
Kanga Products            The UKs leading QRP kit supplier

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: Dick G0BPS <Dick@kanga.demon.co.uk>  
Subject: [9505] Re: GQRP - Re: Going to Fredricshaffen (DL) hamfest?  
Message-ID: <MullZFAcEHrxEwWV@kanga.demon.co.uk>

In message <2.2.32.19960604231931.00b0af44@public.compusult.nf.ca>,  
"Robert J. Gobrick" <rgobrick@nfld.com> writes  
>Ravi,  
>  
>Post a "QRP" style report on the happenings in the Fredricshaffen QRP world  
>- new toys that you've spotted etc.

I shall be there also, and I will post the story. It will be nothing  
like the 4DIM, of course. But fun - non the less..

TTFN de ..

Dick G0BPS / G0R00            <http://ukinternet.com/ham/kanga>  
Kanga Products                The UKs leading QRP kit supplier

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: wwm@wa8tztg.mi.org (Bill Meahan)  
Subject: [9534] Re: June NorCal Meeting Report  
Message-ID: <31b8c806.wa8tztg@wa8tztg.mi.org>

>From: Doug Hendricks <ki6ds@telis.org>

>Two members were at their first meeting, Gary Evans from Visalia, and  
>Bill Meacham from Detroit, MI. It is always neat to meet new faces and  
>make new friends.  
>

Er, that's Meahan, not to be confused with Dave Meacham to whom I owe a  
great debt in giving good enough directions that a Detroiter like me  
could find his way through the freeway maze of the Bay Area ;-)

I enjoyed the meeting immensely and now that I am home I am looking  
forward to building the 40-9er kit I bought at the meeting.

A 40-9er-related tip: my daughter who is a \*really\* good singer tells me  
that Altoids are recommended as a throat soother for singers so if you  
can't find them elsewhere, look at your local school vocal music  
department.

72 and thanks for a \*very\* fun Sunday for a far-from-home business

traveler!

--

Bill Meahan WA8TZG                      wmeahan@wa8tzg.mi.org  
Member of: ARRL, IMRA, NorCal QRP (#407), G-QRP (#8468), MI-QRP (#M1458)  
Hey, this is my OWN computer! I can say what I want!  
cat: a purr bearing mammal

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>  
Subject: [9514] Re: Multiband Delta Loops (long of course)  
Message-ID: <31B86E92.4096@acsu.buffalo.edu>

Hi Gang,

It is interesting to note in Jim Duffy's post on multibanding a delta cut for 30M instead of 40M that the feeding of 17M is difficult. I have found that my delta which is cut for 40M will not load on 17M. I have tried 3 different antenna tuners and cannot make the MFJ SWR analyzer happy. Best SWR is about 3.6:1. This is more than I care to risk with my HW-9. After all, it has brand new finals. Also, the SWR peak is super narrow. A few kcs off the 3.6:1 point sends the SWR sky high. I have thought that maybe adding/subtracting a few feet of antenna wire would help and Jim's analysis seems to confirm this.

I just might try shortening my loop to about XXX' from 142' to get 17M to play. I would just hate to lose 20M in the process, even though the 2 wavelengths on 20 is not so good. Ideally I would like 40/30/20/17 to play well. 17M would be a plus. folks tell me it is a great qrp band.

Well, since my broken pelvis still isn't healed yet I geuss I will resist the urge to play with the antenna just yet!

--

72's de Mark, aka N2VPK

TMPS 1996 Q's=58 WAS=19 Confirmed=00 DX=08  
AL CA CO CT IN FL KY MA MI MD ME NC NY PA SC SD TN TX WI  
CT3 EA ES HC LY OZ VE1 6W1

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: Art Searle <asearle@netusa.net>  
Subject: [9506] Re: need help!  
Message-ID: <31B83114.1B5A@netusa.net>

Scott Hoag wrote:

>  
> I have changed my internet carrier from AOL to Frontiernet and can't  
> subscribe to the QRP-L. My subscribe post to [listen@lehigh.edu] comes  
> back as address unknown. Any help please?

Hi Steve,

I'm probably the 10th to tell you you have the wrong address.

Subject: x or nothing

Body:

listserv@Lehigh.EDU

72,73, de Art Searle, WU2K, Long Is., NY, ARRL Life Member  
QRP-L #524, QRP ARCI #9123, NorCal pending, DXCC MX & CW HR  
NRA Benefactor Life Member, NMLRA Life Member, AMA Life Member  
NRA Certified Firearms Instructor, Dale Earnhardt Fan Club

From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: Art Searle <asearle@netusa.net>  
Subject: [9507] Re: need help!  
Message-ID: <31B834D8.195C@netusa.net>

Hi Scott,

correction to last msg

Subject: x or nothing

address: listserv@Lehigh.EDU

body: subscribe QRP-L Scott Hoag KF2ZW

--

72,73, de Art Searle, WU2K, Long Is., NY, ARRL Life Member  
QRP-L #524, QRP ARCI #9123, NorCal pending, DXCC MX & CW HR  
NRA Benefactor Life Member, NMLRA Life Member, AMA Life Member  
NRA Certified Firearms Instructor, Dale Earnhardt Fan Club

From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: JEVERHART@cayman.vf.mmc.com  
Subject: [9509] RE: optimization of station weight/performance for spartan sprints



Message-ID: <960607081250.25211e59@carib.vf.mmc.com>

Gang,

One thing Wayne modestly neglected to mention is that the KC-1 keyer is a very handy addition to a spartan rig. Built into a rig, it provides an aural tuning dial \*and\* a very lightweight keyer with some spartan memory provisions. That's a nice, lightweight way to go! Not sure how much value a KC-2 would be, though.

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Fri Jun 7 23:06:14 1996

From: Art Searle <asearle@netusa.net>

Subject: [9519] Re: radio

Message-ID: <31B87BC1.C06@netusa.net>

HI John,

John Papay wrote:

>

> Art,

>

> Thanks for the update. I hope the mailman delivers the letter  
> today. We get our mail around 4pm or so where the other side  
> of the road usually gets their mail in the morning. But I think  
> more mail comes in and it's better to get it late in the day since  
> I'm not home to look at it anyway. I'll be on vacation tomorrow  
> so I'll be checking email from home. see you later.

>

> John Papay  
> k8yse@en.com

I delivered your new radio and accessories to Mailboxes, Etc this morning at 10:15. I got your get in the mail. The Mailman finally got there at 4:00 pm. He usually come by 1:00 pm. If I had waited at lunch time, I'd have been pissed! Everything should be packed in one large box with everything in their original boxes except the computer interface. Don't get worried about the dent in the box the rig is in. That happened in my garage and not while the radio was inside.

Let me know when you get it. I would guess Wednesday, Maybe Tuesday.  
73, and good luck, de Art WU2K

--

72,73, de Art Searle, WU2K, Long Is., NY, ARRL Life Member  
QRP-L #524, QRP ARCI #9123, NorCal pending, DXCC MX & CW HR  
NRA Benefactor Life Member, NMLRA Life Member, AMA Life Member  
NRA Certified Firearms Instructor, Dale Earnhardt Fan Club

From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>  
Subject: [9521] Re: Snagged another!  
Message-ID: <31b8599d.pandora@pandora.lugs.org.sg>

On Tue, 04 Jun 1996 22:58:44 -0500, "Gary R. Widmayer"  
<grwidma@edcen.ehhs.cmich.edu> wrote:  
> Anyway Daniel, or can I call you Dan?, lets give you some time to  
> research when you might hear me, and then we can try a few times  
> through a week or so. This will make a "bunch" of QRP'ers stand up  
> and take notice if we can do this !!!!!

Well I just worked W5UN in Texas QRP. This is at about 1500 UTC if that's  
any hint. He was about 599 fading mildly to 569 but very loud. Don't know if  
he was running a gallon or what but nice signal.

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.org.sg  
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-l@Lehigh.EDU Fri Jun 7 23:06:14 1996  
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>  
Subject: [9539] Re: Snagged another!  
Message-ID: <31b8e1a1.pandora@pandora.lugs.org.sg>

On Fri, 07 Jun 1996 18:32:50 -0500, "Gary R. Widmayer"  
<grwidma@edcen.ehhs.cmich.edu> wrote:  
> Hey Daniel,  
>  
> Sounds great on the W5UN, but that's a long ways from Michigan!  
>  
> Often you can work into the West coast states or the western southern  
> states, but I wonder about the middle eastern states? Have you hear  
> any MI, IL, WI, MN, OH, PA, etc on?

Well, you're right. East Coast is harder but Colorado, Texas, Maryland, Portland I've worked QRP. With QRO I have lost of East Coast of course.

> We can try a sked next week abt the 15:00 UTC hours if you would like,  
> I 'm game if you are.

Lets try to get a bunch of QRP-L-ers to show up and I will pass the 9V1ZV/QRP around for everyone's log. :-) Gotta pick a right day. Wednesdays, Fridays, Saturdays are out. Church work.

> Just let me know and we can try a 15:00, 15:30, and a 16:00 for  
> starters on 20 meters, just pick a freq and well go at it.

Okay, lets see how many people are interested in this. I normally work 14.000 to 14.039 and hardly go above that.

> I am on a short vacation in about seven days, we are going up to the  
> MACKENAW Bridge area for some camping...hope the snow is gone by now!

GL OM :-)

> CUL from Gary/N8AYY

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.org.sg  
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org